

FortiHypervisor - Release Notes

Version 1.1.0

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FEEDBACK

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FortiHypervisor Release Notes v.1.1.0

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Change Log

Date	Change Description
2017-06-12	Initial Release.

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Introduction

This document provides the following information about FortiHypervisor version 1.1.0, build 0129.

- [Product Integration and Support](#)
- [Resolved Issues](#)
- [Known Issues](#)

Supported Models

This version of FortiHypervisor supports the following models.

- | | |
|------------------------|--|
| FortiHypervisor | <ul style="list-style-type: none">• FHV-90E• FHV-500D• FHV-2500E• FHV-ISO |
|------------------------|--|

New Features

The following features have been added in FortiHypervisor 1.1.0:

- Admin Radius Auth
- Live Migration
- VLAN support
- NFS Support
- VXLAN Support
- SNMP Support
- Autoconfigure Fortinet VMs using Cloud /Config Drive
- USB Passthrough to Guest VM
- VM Snapshot
- Logging Support
- Added swap file support
- Prior to FHV 1.1, The maximum number of VMs which could be configured was equal to the number of VMs which could be run concurrently. This was limiting for cases where customers wanted to keep VMs for extended periods e.g for lab testing. As of 1.1, this restriction has been removed and more VMs than can be concurrently run can be created in the Virtual Machine menu.

Upgrade Information

Upgrading to FortiHypervisor 1.1.0

FortiHypervisor version 1.1.0 officially supports upgrading from version 1.0.2 and later.

Product Integration and Support

FortiHypervisor 1.1.0 Support

The following tables lists FortiHypervisor 1.1.0 product integration and support information:

Web Browsers

The following web browsers have been tested for use with FortiHypervisor:

Microsoft	<ul style="list-style-type: none">• Microsoft Edge 38• Microsoft Internet Explorer 11
Mozilla	Firefox version 53
Google	Chrome version 58
Apple	Safari version 10.1 (For Mac OS X)
Others	Other web browsers may function correctly, but are not supported by Fortinet.

Virtualization Guests

The table lists the various VMs (Fortinet and others) and their version numbers that have been tested with FortiHypervisor and are considered to be supported.

Fortinet

FortiGate KVM	<p>5.4.1 and above</p> <p>This guest model is released on a special branch based off of FortiOS 5.4.1. As such, the Dashboard > System Information widget and the output from the <code>get system status</code> CLI command displays the build number as 7249. To confirm that you are running the proper build, the output from the <code>get system status</code> CLI command has a branch point field that should read 1064.</p> <p>To include NPU offloading: 5.4.5 and above **</p> <p>This guest model is released on a special branch based off of FortiOS 5.4.5. As such, the Dashboard > System Information widget and the output from the <code>get system status</code> CLI command displays the build number as 7661. To confirm that you are running the proper build, the output from the <code>get system status</code> CLI command has a branch point field that should read 1138.</p>
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FortiManager KVM	5.4.1 and above
FortiAnalyzer KVM	5.4.1 and above
FortiWeb KVM	5.6.0 and above
FortiADC KVM	4.6.0 and above
FortiMail KVM	5.3.6 and above
FortiRecorder KVM	2.4.1 and above
FortiVoice KVM	5.2.2 and above
FortiVoiceEnterprise KVM	5.0.5 and above
FortiCache	4.1.2 and above
FortiSandbox	2.3. and above **
FortiAuthenticator	4.3.0 and above

Generic OS

Linux VM	<ul style="list-style-type: none"> • CentOS 7 • Ubuntu 15.10 • Tiny Core Linux • Alpine Linux 3.2.3*
OpenBSD	<ul style="list-style-type: none"> • 5.8* • 6.0*
Windows VM	<ul style="list-style-type: none"> • Windows Server 2012 - R2 * • Windows 10 Professional * • Windows 7 Professional

Third Party VMS

VeloCloud
Silverpeak

* - These installations require the use of the IDE disk and E1000 network interfaces

** - Supported on FHV-500 and above.

Resolved Issues

Bug ID	Description
378086	Error messages appear when performing a factory reset from the CLI.DLP
402633	Unable to pull product list from FortiGuard. Product list under "Virtual Machine" > "Import" > "Product" remains blank in the GUI.
402956	FortiOS KVM configured with e1000 emulation on FHV does not support VLAN. Workaround - Use the Vertio drives
404073	No warning on system reboot or upgrade/downgrade when Guest VMs are running
414452	NTP time sync fails
415310	Cannot set interface members in GUI when creating and editing aggregate interface
415316	Aggregate interface will be created incorrectly in GUI when creating redundant interface
415937	GUI should enable wildcard by default when create remote admin
411581	Disk write performance issue
410644	Kernel panic with jumbo frame
410027, 0416905	SNMP Walk Terminates Unexpectedly in Enterprise MIB
416108	CPU displays > 100% utilization in a multi vCPU deployment

Known Issues

The following issues have been identified in FortiHypervisor. For inquiries about a particular bug or to report a bug, please contact Customer Service & Support.

Bug ID	Description
300404	The <code>get system interface transceiver</code> command is not available.
300514	Virtual MAC addresses generated by FortiHypervisor may not be in Fortinet's MAC address range.
366705	FortiHypervisor does not support Content Processing (CP) acceleration for client VMs.
366779	The following NP6 features are not supported in this release: CAPWAP offloading, NTurbo offloading, and SIT and IPv6 Tunnelling (IPTunnel) offloading. All other NP6 features are supported.
367957	When you power off the FortiHypervisor from the GUI there may be a delay of a few minutes before the unit powers off if the system is busy.
369970	You can import a VM image into FortiHypervisor even if the image limit has been reached. An error message will appear but the image is still imported.
373587	The Average Network Usage data displayed by the <code>get system performance status</code> command is incorrect.
373724	Guest data traffic can not be sniffed when NP6 offloading is disabled.
373773	From the FortiHypervisor CLI you cannot sniff or monitor incoming traffic (when in <code>passthrough</code> mode only).
374084	CAPWAP traffic may experience packet loss.
378246	The CLI help for setting the MTU value for an interface shows an incorrect MTU value range. The correct range is 68 - 9216.
397957	PowerOff/Reset is not always effective when guest is busy
398842	Seg Fault in API permission-check when URI not set
415029	Event Log GUI only displays first page
416672	IPv4 traffic can not go through IPsec vpn tunnel in FGT-VM NP6 with npu-offload enabled in FHV.
417055	auto config for vm using config drive failed when config has vdom enabled
423814	Paused VM will stick after migration.

Bug ID	Description
423899	Imported VMs with NFS storage settings can not start.
434025	File system check recommended after "exec reboot"



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